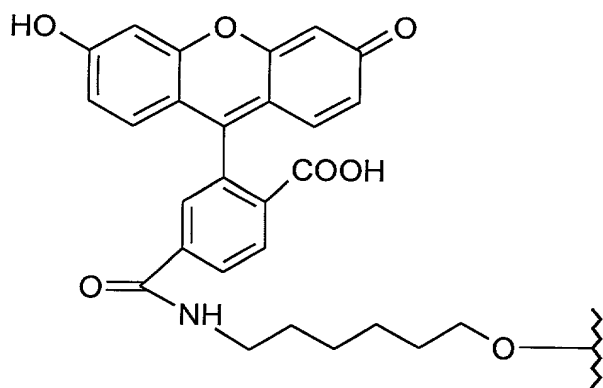
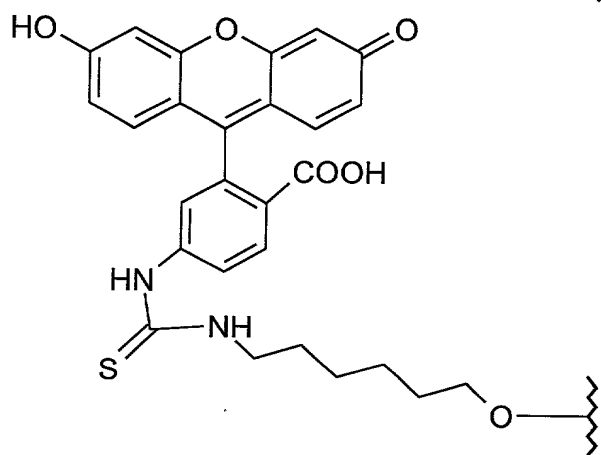


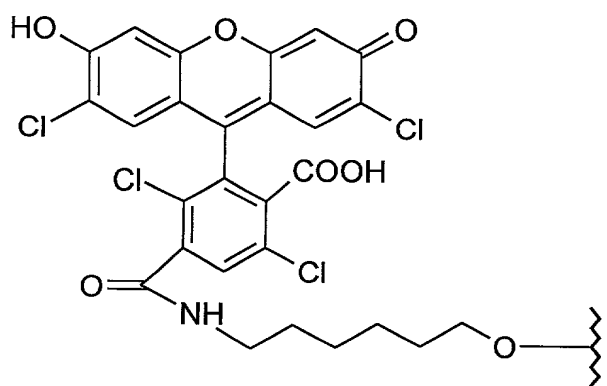
Fig. 1a:



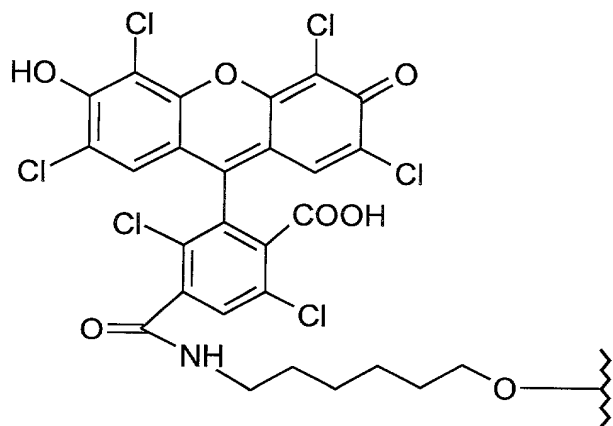
Fluorescein (Amide)



Fluorescein (Thiourea)

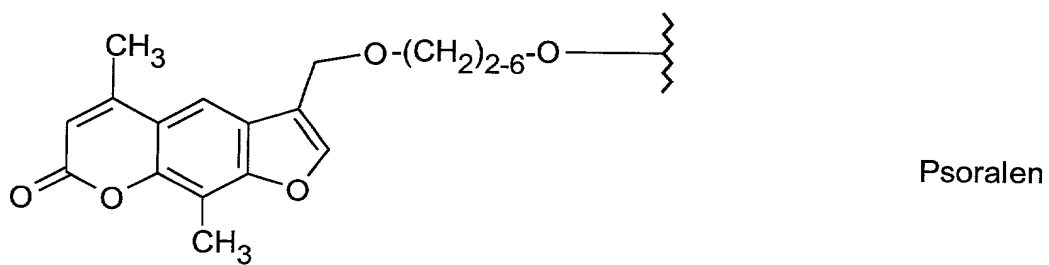
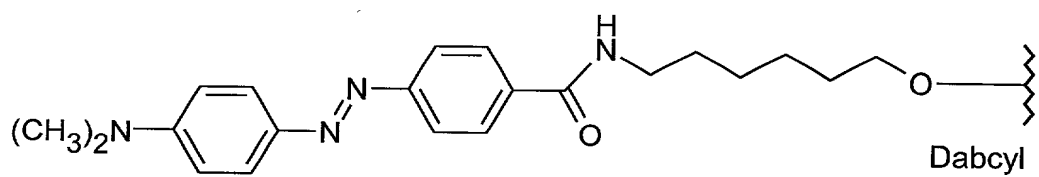
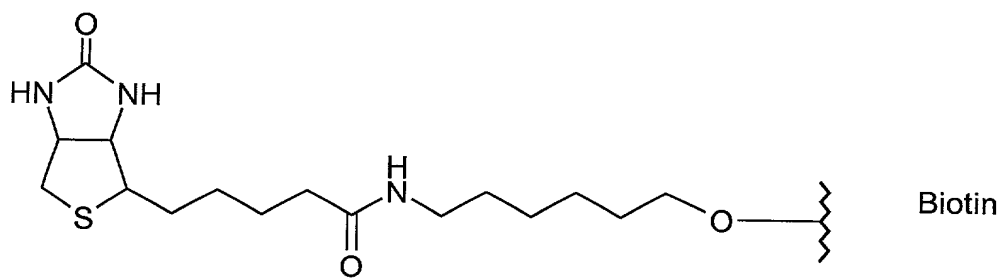


Tetrachlorofluorescein



Hexachlorofluorescein

Fig. 1b:



Parameter	Value	Unit	Parameter	Value	Unit
α	0.000000		β	0.000000	
γ	0.000000		δ	0.000000	
ϵ	0.000000		ζ	0.000000	
η	0.000000		θ	0.000000	
ι	0.000000		κ	0.000000	
λ	0.000000		μ	0.000000	
ν	0.000000		ξ	0.000000	
\omicron	0.000000		π	0.000000	
ρ	0.000000		σ	0.000000	
τ	0.000000		υ	0.000000	
ϕ	0.000000		χ	0.000000	
ψ	0.000000		ω	0.000000	
Ω	0.000000		Θ	0.000000	
Φ	0.000000		Ψ	0.000000	
Υ	0.000000		Ξ	0.000000	
Λ	0.000000		Σ	0.000000	
Π	0.000000		Υ	0.000000	
Γ	0.000000		Δ	0.000000	
Σ	0.000000		Θ	0.000000	
Δ	0.000000		Λ	0.000000	
Θ	0.000000		Ξ	0.000000	
Λ	0.000000		Σ	0.000000	
Ξ	0.000000		Υ	0.000000	
Σ	0.000000		Δ	0.000000	
Υ	0.000000		Θ	0.000000	
Δ	0.000000		Λ	0.000000	
Θ	0.000000		Ξ	0.000000	
Λ	0.000000		Σ	0.000000	
Ξ	0.000000		Υ	0.000000	
Σ	0.000000		Δ	0.000000	
Υ	0.000000		Θ	0.000000	
Δ	0.000000		Λ	0.000000	
Θ	0.000000		Ξ	0.000000	
Λ	0.000000		Σ	0.000000	
Ξ	0.000000		Υ	0.000000	
Σ	0.000000		Δ	0.000000	
Υ	0.000000		Θ	0.000000	
Δ	0.000000		Λ	0.000000	
Θ	0.000000		Ξ	0.000000	
Λ	0.000000		Σ	0.000000	
Ξ	0.000000		Υ	0.000000	
Σ	0.000000		Δ	0.000000	
Υ	0.000000		Θ	0.000000	
Δ	0.000000		Λ	0.000000	
Θ	0.000000		Ξ	0.000000	
Λ	0.000000		Σ	0.000000	
Ξ	0.000000		Υ	0.000000	
Σ	0.000000		Δ	0.000000	
Υ	0.000000		Θ	0.000000	
Δ	0.000000		Λ	0.000000	
Θ	0.000000		Ξ	0.000000	
Λ	0.000000		Σ	0.000000	
Ξ	0.000000		Υ	0.000000	
Σ	0.000000		Δ	0.000000	
Υ	0.000000		Θ	0.000000	
Δ	0.000000		Λ	0.000000	
Θ	0.000000		Ξ	0.000000	
Λ	0.000000		Σ	0.000000	
Ξ	0.000000		Υ	0.000000	
Σ	0.000000		Δ	0.000000	

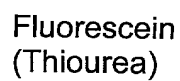


Fig. 2b:

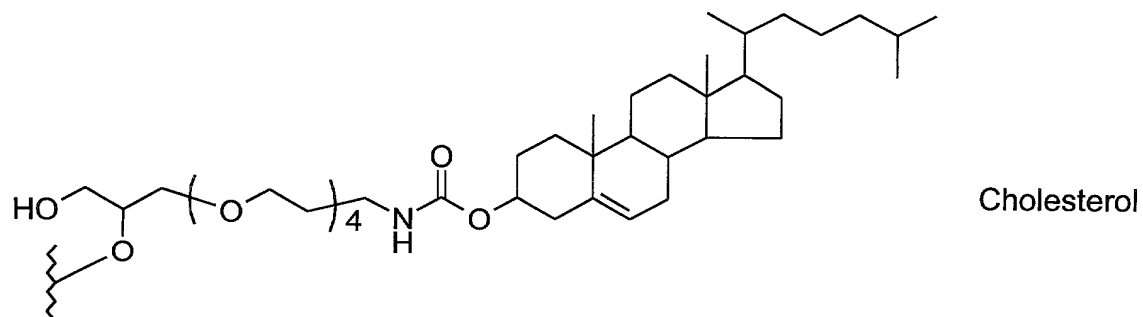
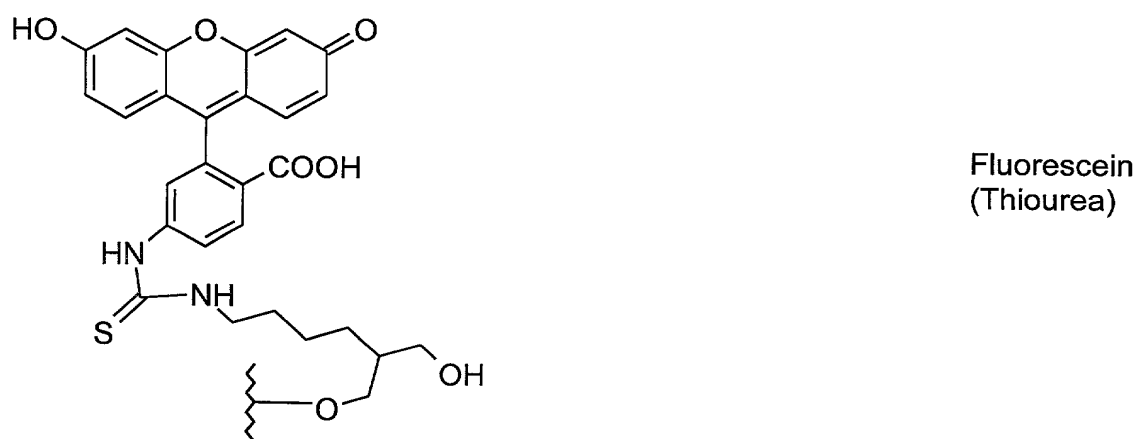
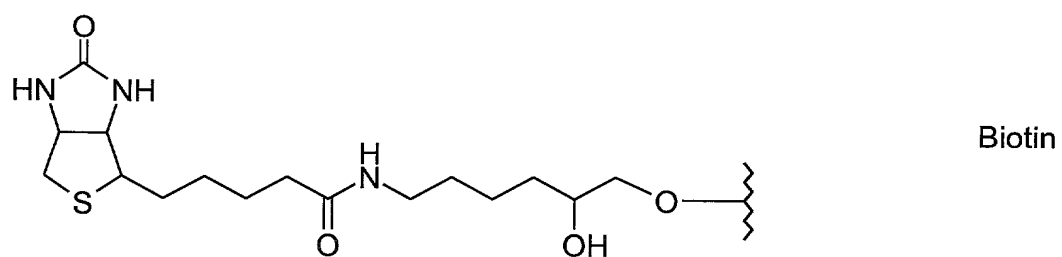
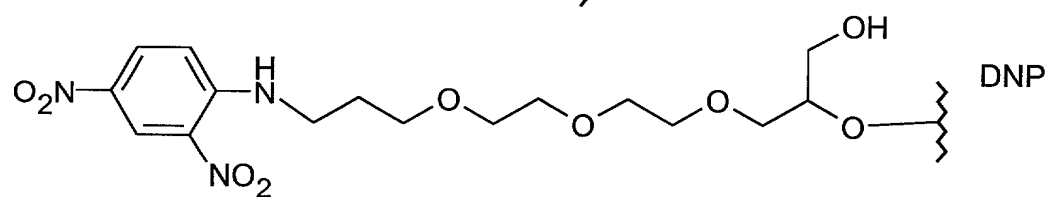
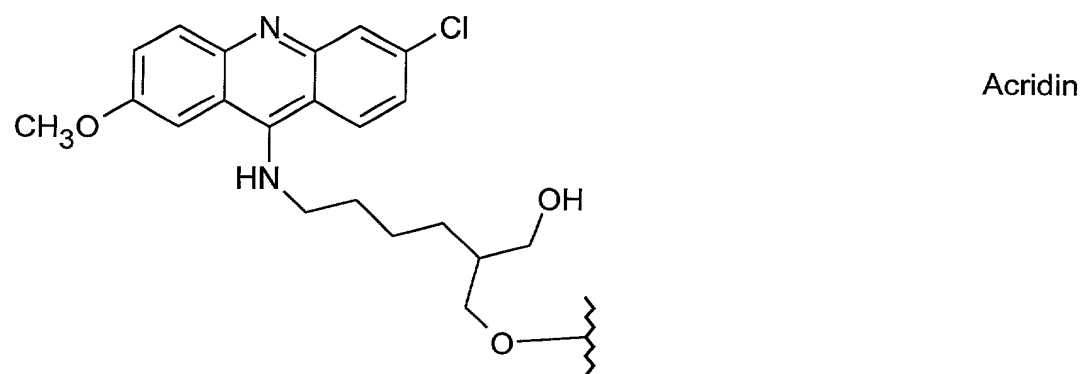
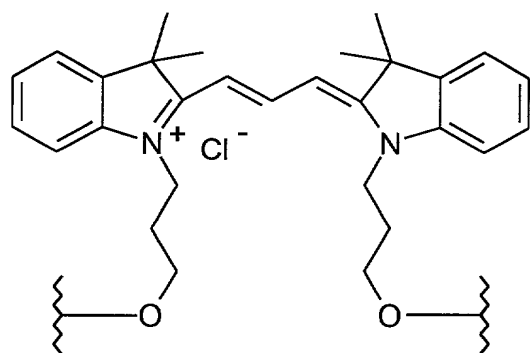
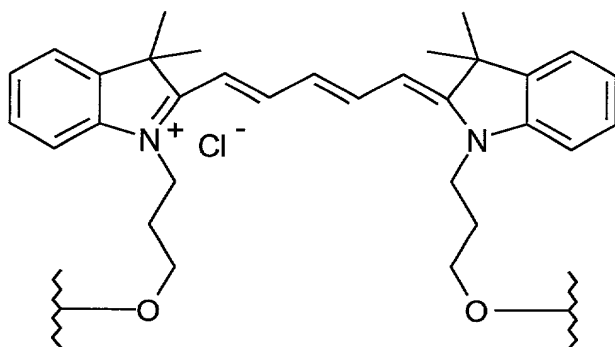


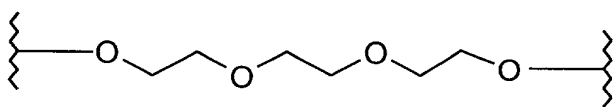
Fig. 3a:



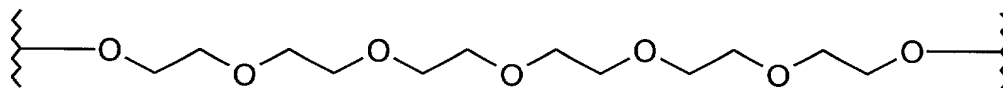
Cy3



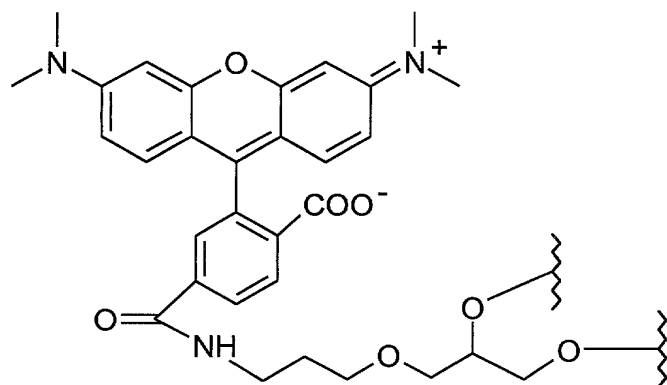
Cy5



Spacer-9

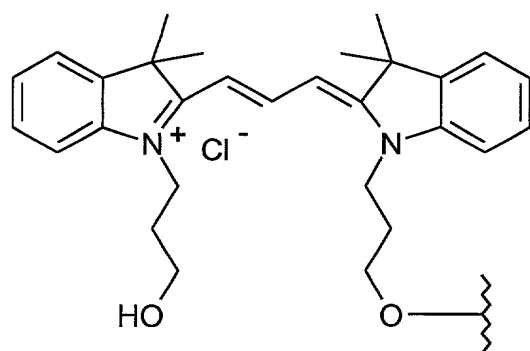


Spacer-18

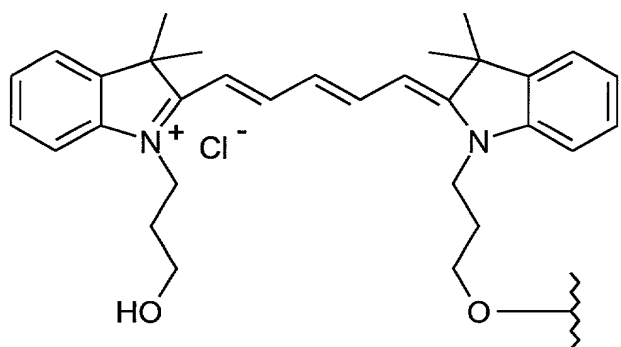


TAMRA

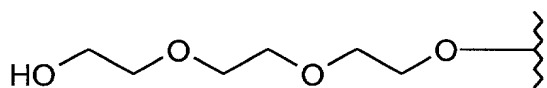
Fig. 3b:



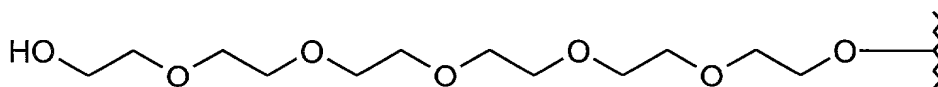
Cy3



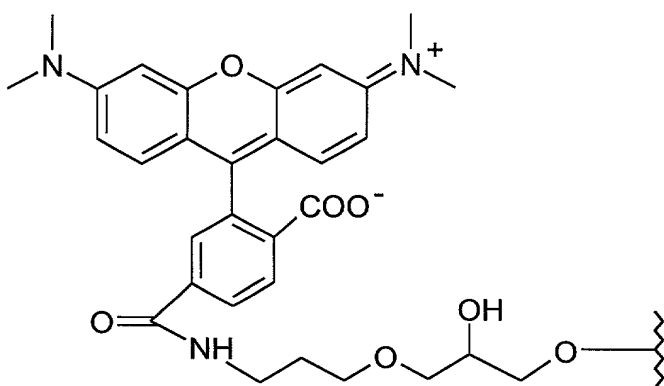
Cy5



Spacer-9

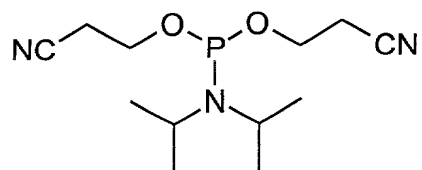


Spacer-18

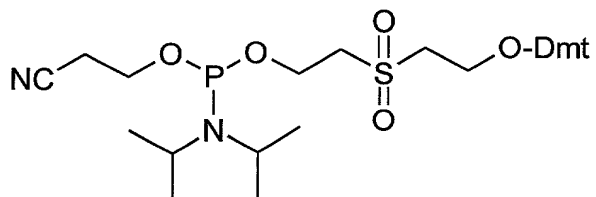


TAMRA

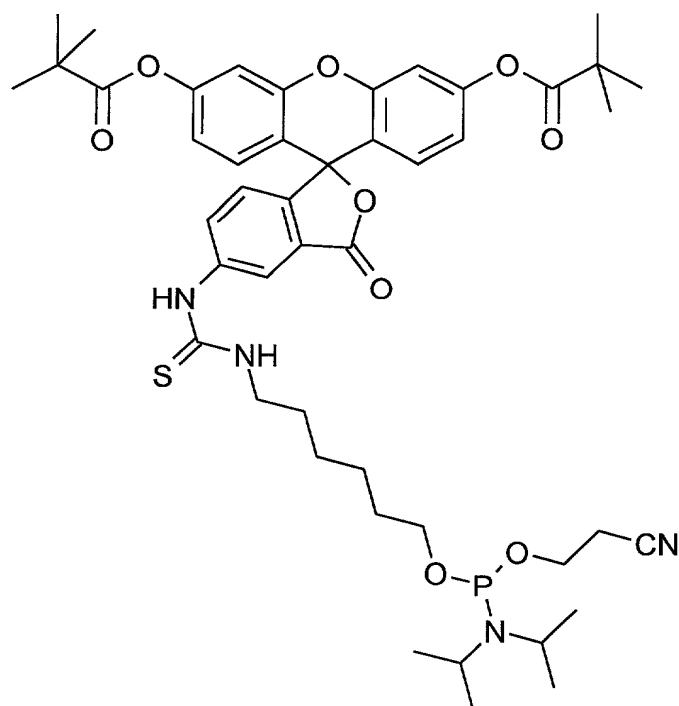
Fig. 4a:



Phosphorylating reagent 1

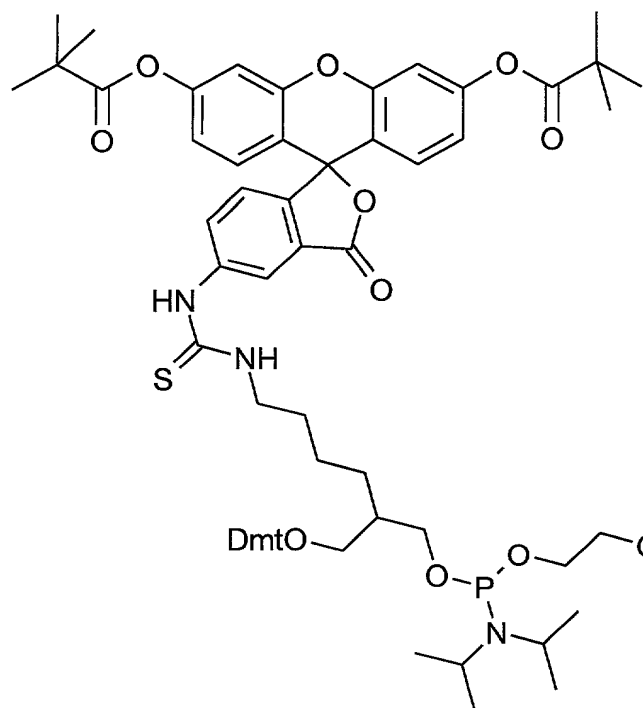


Phosphorylating reagent 2

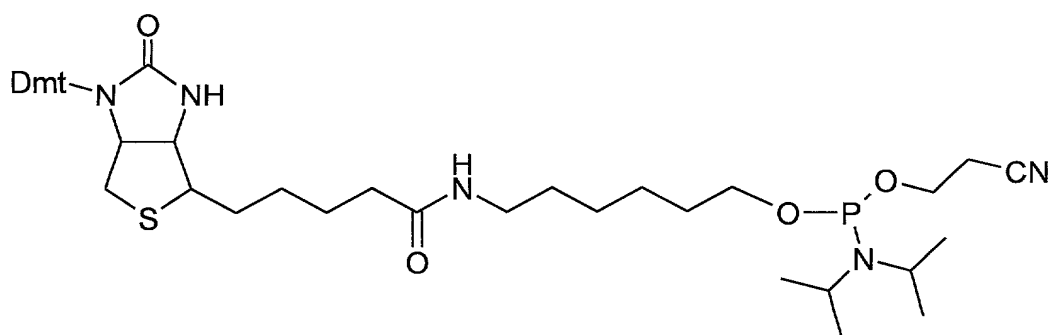


Fluorescein phosphoramidite 3
(monofunctional)

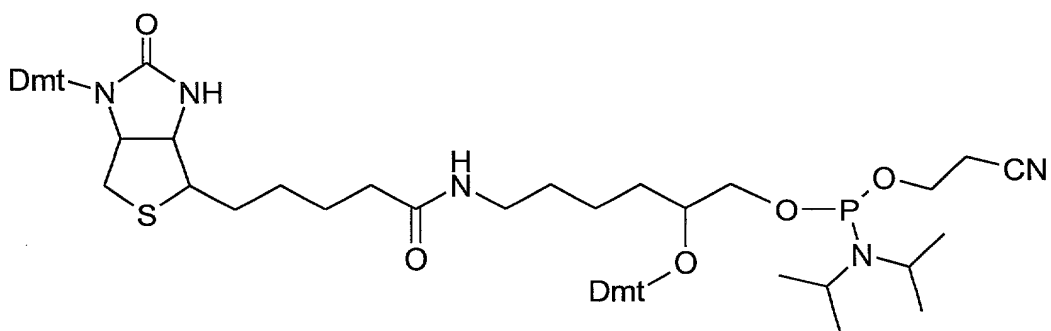
Fig. 4b:



Fluorescein phosphoramidite 4
(bifunctional)



Biotin phosphoramidite 5 (monofunctional)



Biotin phosphoramidite 6 (bifunctional)

Fig. 4c:

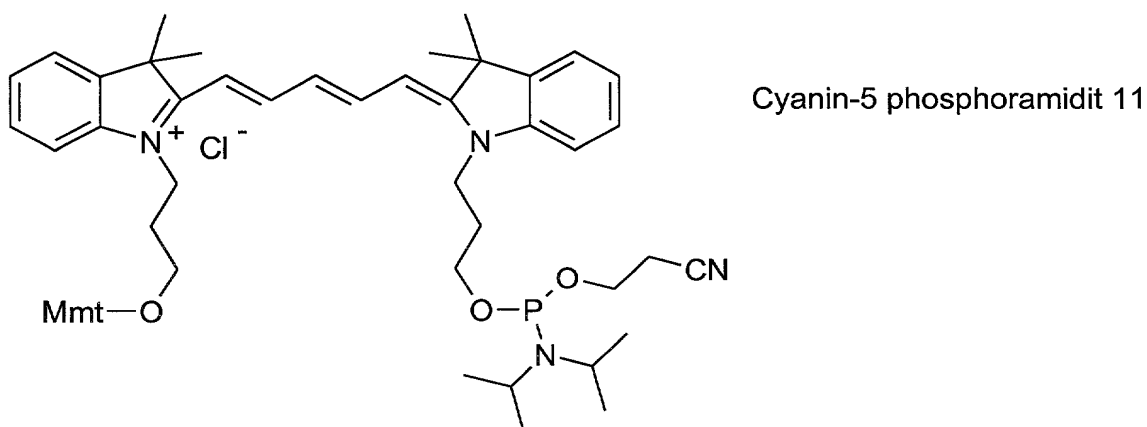
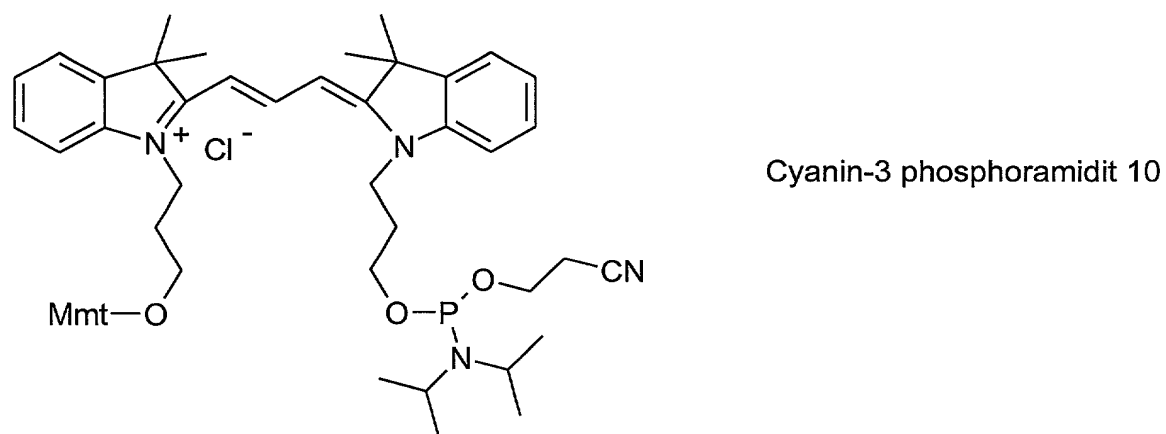
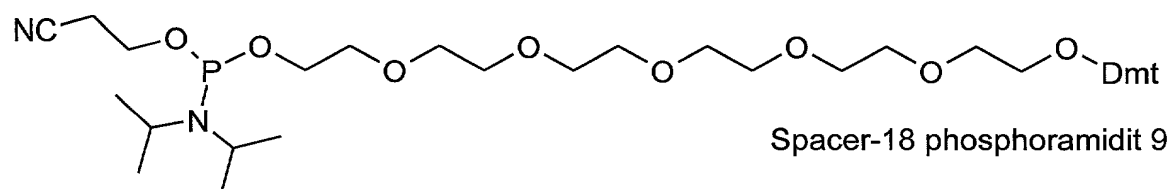
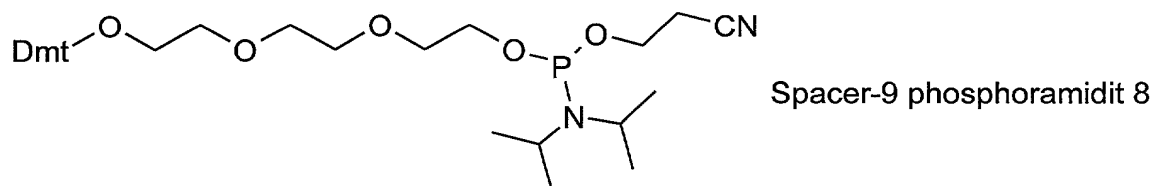
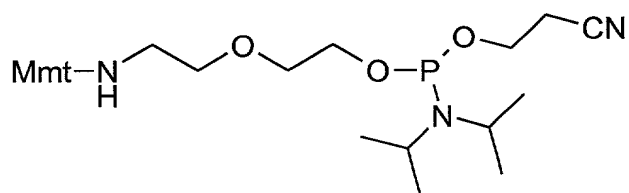
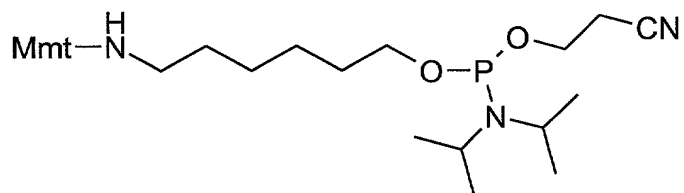


Fig. 4d:



Aminomodifier-5
phosphoramidite 12



Aminomodifier-C6
phosphoramidite 13

Fig. 5a:

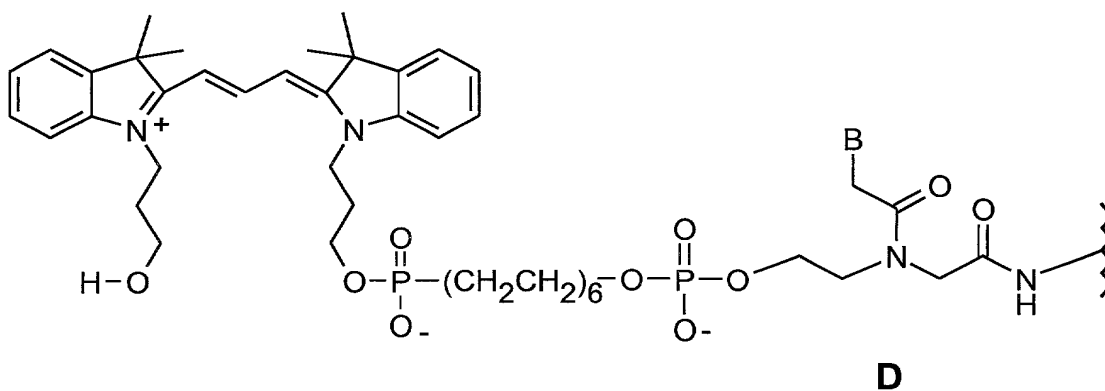
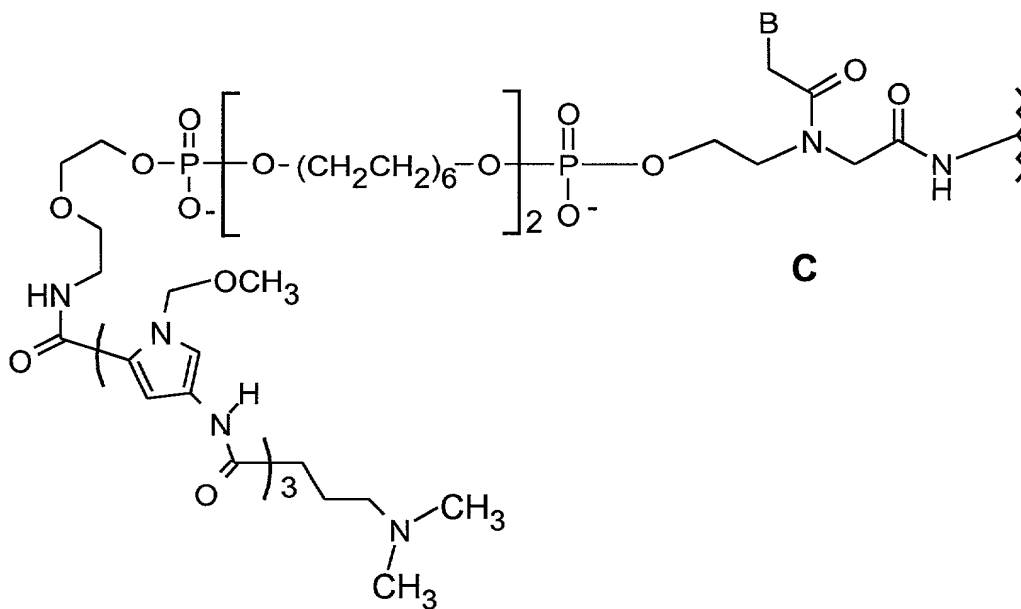
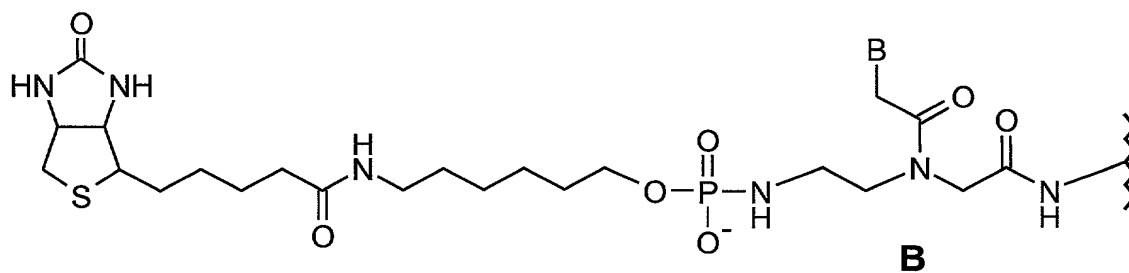
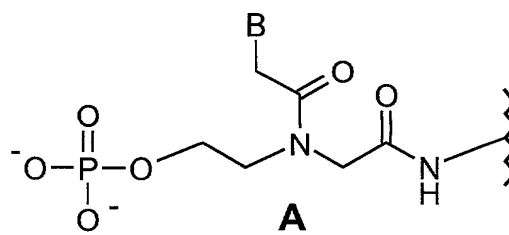


Fig. 5b:

